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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

SAID, MANSOUR M

ART UNIT	PAPER NUMBER
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2673

DATE MAILED: 01/10/2002

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Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/522,274

Applicant(s)

NICOLAS ET AL.

Examiner

MANSOUR M SAID

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 March 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☒ Claim(s) 1-24 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:**

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

- 2. Claims 1-2, 4-5, 7, 9-10, 12, 14-15, 17-21, and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Izutani (5,483,262) in view of Snell (5,756,941).**

As to claims 1, 7, 10, 17-19, and 23, Izutani teaches a computer system (figure 1, (10)) comprising a processor (figure 1, (11)) coupled to bus; a memory unit (figure 1, (13-14)) coupled to the bus; a display screen (figure 1, (15)) coupled to the bus; a case (unit, (figure 1, (17) for supporting the processor, the memory unit, and the display screen, the case (figure 2a, (17)) having a slot (pen holder, (figure 2a, (2)) located therein for receiving a stylus (pen, (figure 2a, (1))); a detector (pen detecting circuit) for detecting the stylus in the slot, a switch coupled to the detector for generating a signal to power up the processor, the display screen (figure 9) (column 1, lines 11-22), into a power conservation mode when the stylus is inserted into the slot (figures 1, 2a-2c, 3a-3d, 4, and 5); (abstract; column 1, lines 45-67; column 2, lines 1-67; column 3, lines 1-53; column 4, lines 1-35; and column 5, line 17 through column 6, line 60.

Izutani does not expressly teach wherein a stylus having a digitizer housing.

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However, Snell (figures 1-5) teaches a stylus with a digitizer housing (abstract; column 3, line 50 through column 4, line 67).

Therefore, it would have obvious to one ordinary skill in the art at the time the invention was made to incorporate Snell's digitizer pen having digitizer housing into Izutani's handheld device so as to provide input to the hand-held computer so that visual feedback can be displayed for the user on the display (column 4, lines 30-35).

As to claims 2 and 12, Izutani (figures 2a-2c, 3a-3d) teaches wherein the detector (power switch, (3)) is located within the slot (pen holder, (2)) and is a mechanical detector (figures 5a-5b);(column 3, lines 1-62; column 4, lines 1-35).

As to claims 4, 14, and 20, Izutani (figures 8a-8b) teaches wherein the detector is located within the slot and is an electrical detector (column 3, lines 1-62; column 4, lines 1-35); and (column 5, lines 1-10).

As to claims 5, 15, and 21, Izutani (figures 2a-2c) teaches wherein the computer system is a palmtop computer system (information processor, (10)), (abstract; column 2, lines 55-67; and (column 3, lines 1-62).

As to claim 9, Snell (figure 1) teaches wherein the digitizer (108) is separate in area from the display (106) column 3, lines (50-67).

- 3. Claims 3, 6, 11, 13, 16, and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Izutani in view of Snell as applied to claims 1, 10, and 18 above, and further in view of Ogawa (6,100,538). Izutani and Snell teach all**

claimed limitations in claims 3, 6, 11 and 13 except that optical detector and a battery which is supplying power to the computer.

However, Ogawa (figures 1-2) teaches an optical digitizer and display panel (6), a stylus (2) for an inputting device or pointer. Stylus that projects light directly or indirectly on a coordinate plane (1), the digitizer is provided with detector means units (3L and 3R) arranged around the coordinate plane (1) (column 6, lines 40-67), and also optical detector and a battery which is supplying power to the computer (abstract; column 2, lines 40-67; column 3, lines 40-56; column 4, lines 1-10; column 5, lines 19-30; column 9, lines 22-50; column 12, lines 30-62; and column 13, lines 1-25).

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to combine Ogawa's optical digitizer device having optical detector and battery into Izutani's modified device so as to provide an optical digitizer capable of operating with stability with out being affected by extraneous light including light radiated from the display panel of the digitizer (column 2, lines 40-46).

**4. Claims 8 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Izutani in view of Snell as applied to claims 1 and 18 above, and further in view of Dao et al. (5,049,862; hereinafter referred to Dao).**

Izutani and Snell disclose all claimed limitations in claims 8 and 24 except that a first region for capturing stroke data associated with alphabetic characters and a second region for capturing stroke data associated with numeric characters.

However, Dao teaches (figure 1) a notebook (10) includes a first panel, a second panel (14) connected to first panel (12) by a hinge means (16) that allows both first and second panel to orient in a multitude of angles about hinge means, and a stylus (18) for writing on first panel and second panel. First panel (12) has flat surface (20) with an opaque first digitizer tablet (22) and allows placement of standard templates (column 3, line 60 through column 4, line 14); and a first region for capturing stroke data associated with alphabetic characters and a second region for capturing stroke data associated with numeric characters (figure 8, column 7, line 42 through column 8, line 3).

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to combine Dao's portable computer having alphabetic and numeric character into Izutani's modified device to allow real-time coupling of manual paper form completion into machine recognizable form (column 1, lines 1-10).

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tyneski et al. (5,584,054) disclose a communication device having a movable front cover for exposing a touch sensitive display.

Iwata et al. (5,646,649) disclose a portable information terminal.

Marianetti et al. (5,889,888) disclose a method and apparatus for immediate response handwriting recognition system that handles multiple character sets.

Yoshida (5,894,580) disclose a display control unit makes a reference to a display off-time table to change automatic turn-off time (automatic interruption time) of a display unit.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Mansour M. Said** whose telephone number is **(703) 306-5411**.

The examiner can normally be reached on Monday through Thursday from 8:30 a.m. to 6:00 p.m. The examiner can also be reached on alternate Friday from 8:30 a.m. to 5:00 p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Shalwala Bipin**, can be reached at **(703) 305-4938**

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

**(703) 872-9314 (for Technology Center 2600 only)**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist)

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7. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer service Office

whose telephone number is (703) 306-0377.

Patent Examiner

January 7, 2002

**Mansour M. Said**



**BIPIN SHALWALA**  
**ASSISTANT PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**